

Title (en)

FUEL EVAPORATIVE GAS EMISSION SUPPRESSING DEVICE

Title (de)

VORRICHTUNG ZUR UNTERDRÜCKUNG DER KRAFTSTOFFVERDAMPFUNGSGASEMISSION

Title (fr)

DISPOSITIF DE SUPPRESSION D'ÉMISSION DE GAZ D'ÉVAPORATION DE COMBUSTIBLE

Publication

EP 3683432 A4 20200826 (EN)

Application

EP 18856733 A 20180226

Priority

- JP 2017178229 A 20170915
- JP 2018006990 W 20180226

Abstract (en)

[origin: US2020191097A1] A controller has a leak determiner determining the presence or absence of an evaporative gas leak in a fuel evaporative gas emission suppressing device, based on a first pressure which is the pressure of a canister when a first predetermined period has elapsed in a state where a first opening/closing section and a second opening/closing section are closed, a third opening/closing section is opened, a fourth opening/closing section is closed, and a pressure generating section is operated; and a second pressure which is the pressure within the canister when, after a lapse of the first predetermined period, a second predetermined period has elapsed in a state where the third opening/closing section is closed.

IPC 8 full level

F02M 25/08 (2006.01); **F02D 19/02** (2006.01)

CPC (source: EP US)

F02M 25/08 (2013.01 - EP); **F02M 25/0809** (2013.01 - EP US); **F02M 25/0836** (2013.01 - EP US); **F02D 2041/225** (2013.01 - US); **F02D 2200/0602** (2013.01 - US); **F02M 25/0854** (2013.01 - EP US); **F02M 2025/0845** (2013.01 - EP US)

Citation (search report)

- [X] JP 2015117599 A 20150625 - MITSUBISHI MOTORS CORP
- [A] US 2014174573 A1 20140626 - MATSUNAGA HIDEO [JP], et al
- [X] WO 2016207964 A1 20161229 - NISSAN MOTOR [JP]
- See references of WO 2019053918A1

Cited by

CN114215664A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 10927795 B2 20210223; **US 2020191097 A1 20200618**; CN 111094732 A 20200501; CN 111094732 B 20211102; EP 3683432 A1 20200722; EP 3683432 A4 20200826; JP 6711465 B2 20200617; JP WO2019053918 A1 20200402; WO 2019053918 A1 20190321

DOCDB simple family (application)

US 201816638871 A 20180226; CN 201880059298 A 20180226; EP 18856733 A 20180226; JP 2018006990 W 20180226; JP 2019541624 A 20180226